

Application No. 10/766,505
Response dated October 30, 2006
Reply to Office Action of July 6, 2006

Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims **1-24** (canceled).

25.(previously presented) An electrical-circuit inductor for an ICP source comprising:

 a conductor formed of a sheet of electrically conductive material in the shape of at least one loop having opposite edges encircling an axis, the sheet having:
 a gap extending between the opposite edges and defining a pair of terminal ends;
 a pair of RF connectors, one fixed to each of the terminal ends; and
 a plurality of cutouts alternately spaced in the opposite edges defining a serpentine conductive path between the terminal ends that is formed of a series of segments of alternating high and low cross-sections and widths.

26.(previously presented) An ICP source comprising the electrical-circuit inductor of claim **25** and further comprising:

 an RF power source connected across the ends of the conductor;
 a dielectric window having a vacuum chamber side and an outside;
 the inductor being adjacent the outside of the dielectric window, generally congruent thereto, the widths being generally parallel to the dielectric window and the thicknesses being generally perpendicular to the dielectric window.

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27.(previously presented) An ICP apparatus comprising the inductor of claim **25** and further comprising:

a vacuum processing chamber having a chamber wall having a dielectric window therein; and

the inductor being outside of the chamber, generally congruent to the dielectric window, the widths of the segments being generally parallel to the dielectric window and thicknesses of the segments being generally perpendicular to the dielectric window.